

Converting Colors

XYZ(27.8131, 25.9758, 5.6672)

Have a look what the booklet for
XYZ(27.8131, 25.9758, 5.6672)
contains.

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Color

**XYZ(27.7789, 25.9279,
5.6383)**

Conversions

Conversions Part 1

Format	Color
Hex	B78129
RGB	183, 129, 41
RGB Percent	72%, 51%, 16%
CMY	0.2824, 0.4941, 0.8392
CMYK	0.00, 0.30, 0.78, 0.28
HSL	37°, 63%, 44%
HSV	37°, 78%, 72%
XYZ	27.7789, 25.9279, 5.6383
YIQ	135.1140, 60.4320, -15.9200

Conversions

Conversions Part 2

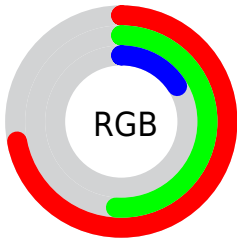
Format	Color
RYB	128, 183, 41
Decimal	12026153
CIELab	57.97, 12.98, 52.99
CIElCh	58, 54.554, 76.230
Yxy	25.9279, 0.4681, 0.4369
Android (android.graphics.Color)	4290216233 (0xFFB78129)
YUV	135.1140, -46.3982, 41.9960
Hunter-Lab	50.9194, 8.2709, 29.0784

Details

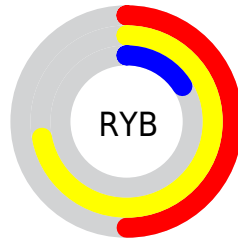
The XYZ color **27.7789, 25.9279, 5.6383** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.5537, 12.0742, 46.4155**, and the grayscale version is **23.2233, 24.4328, 26.6073**.

A 20% lighter version of the original color is **55.6659, 53.3009, 17.7101**, and **11.3261, 10.0973, 1.3520** is the 20% darker color. If you saturate the color by 10%, you get **26.6452, 24.0584, 4.0345**, and if you desaturate by 10%, it is **29.1246, 27.9842, 8.0454**.

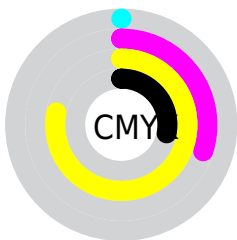
Distribution



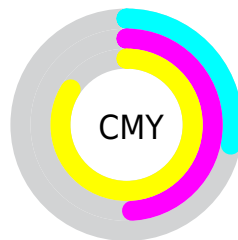
- Red (72%)
- Green (51%)
- Blue (16%)



- Red (50%)
- Yellow (72%)
- Blue (16%)



- Cyan (0%)
- Magenta (30%)
- Yellow (78%)
- Black (28%)



- Cyan (28%)
- Magenta (49%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7789, 25.9279, 5.6383 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 27.7789, 25.9279, 5.6383 by changing the saturation by 10% instead.

■ 27.7789, 25.9279,
5.6383

■ 27.7789, 25.9279,
5.6383

283.5082,
282.4280, 164.9906

■ 18.2987, 16.7697,
2.5612

■ 55.5424, 53.1586,
17.6399

■ 11.2656, 10.0704,
0.8723

■ 74.5563, 71.9999,
27.4015

■ 6.3144, 5.4457,
0.0000

■ 97.4789, 94.8377,
40.2284

■ 3.0796, 2.5111,
0.0000

■ 124.6754,
122.0564, 56.5391

■ 1.1960, 0.8822,
0.0000

■ 156.5112,
154.0404, 76.7521

■ 0.1032, 0.0000,
0.0000

■ 193.3517,

■ 0.0000, 0.0000,

191.1740, 101.2860

0.0000

235.5623,
233.8418, 130.5593

■ 27.7789, 25.9279,
5.6383

■ 27.7789, 25.9279,
5.6383

■ 26.6452, 24.0584,
4.0345

■ 29.1246, 27.9842,
8.0454

■ 25.6932, 22.3584,
3.0879

■ 30.7000, 30.2332,
11.3508

■ 25.4797, 21.9700,
2.8977

■ 32.5224, 32.6846,
15.6375

■ 34.6069, 35.3463,
20.9787

■ 36.9669, 38.2256,
27.4404

■ 39.6151, 41.3290,
35.0835

■ 42.5630, 44.6631,
43.9641

■ 45.8218, 48.2337,
54.1348

■ 49.4016, 52.0468,
65.6453

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.4711, 25.9279, 9.3186



27.7789, 25.9279, 5.6383



21.2744, 25.9279, 5.7770

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.7789, 25.9279, 5.6383



14.3840, 25.9279, 39.6159



34.9538, 25.9279, 61.4400

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.7789, 25.9279, 5.6383



13.5537, 12.0742, 46.4155

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.3512, 25.9279, 79.2584



27.7789, 25.9279, 5.6383



16.8878, 25.9279, 63.3063

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.7789, 25.9279, 5.6383



14.2860, 25.9279, 20.4562



21.7537, 25.9279, 80.0625



39.0851, 25.9279, 37.7619

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.7789, 25.9279, 5.6383



17.8977, 25.9279, 7.9313



21.7537, 25.9279, 80.0625



32.9019, 25.9279, 68.6984

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.7795, 25.9292, 5.6388



68.1423, 70.7547, 54.6503



22.4067, 12.4874, 12.1597



14.6835, 15.1930, 11.0246



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.7795, 25.9292, 5.6388



46.5114, 40.9459, 5.9660



33.1504, 42.1806, 8.4926



9.4555, 9.9140, 9.5221



17.8430, 15.4624, 2.0441



0.6867, 0.6605, 0.0913

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.5537, 12.0742, 46.4155



20.1339, 15.4424, 82.1552



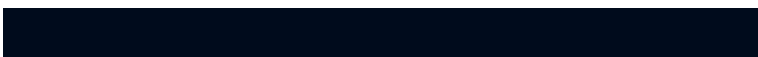
11.0602, 5.8916, 45.3536



8.7935, 9.2642, 11.4041



7.5343, 5.5282, 31.9230



0.3261, 0.3158, 1.1455

Previews

White Background



This preview shows how the XYZ color 27.7789, 25.9279, 5.6383 looks on a white background.

Color Contrast Check

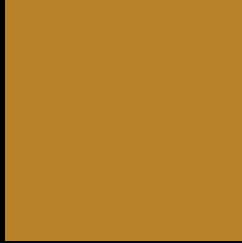
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.7789, 25.9279, 5.6383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7789, 25.9279, 5.6383

Background



This preview shows how black text looks on a background with the XYZ color 27.7789, 25.9279, 5.6383.



This preview shows how white text looks on a background with the XYZ color 27.7789, 25.9279,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.7789, 25.9279, 5.6383

Protanopia

23.5430, 26.0059, 6.1617

Deuteranopia

26.4497, 26.0422, 5.6401



Tritanopia

31.6057, 25.9778, 24.4675

Trichromacy



Original Color

27.7789, 25.9279, 5.6383

Protanomaly

24.9661, 25.8897, 5.9669

Deuteranomaly

26.9944, 26.1207, 5.6265

Tritanomaly

29.6620, 25.7362, 14.9595

Monochromacy



Original Color

27.7789, 25.9279, 5.6383

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.6854, 24.3900, 15.7713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7789, 25.9279, 5.6383 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(183, 129, 41)` looks like.

```
.text, #text, p{  
    color:rgb(183, 129, 41)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(183, 129, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 129, 41) }
```

Border

The CSS property to change the border of an element to XYZ 27.7789, 25.9279, 5.6383 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 129, 41) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(183, 129, 41) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(183, 129, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 129, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 129, 41);  
box-shadow:4px 4px 4px 4px rgb(183, 129,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7789, 25.9279, 5.6383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 129, 41) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(183,  
129, 41) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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